

CHEBOTAR'OV, R.S.; ANIS'KOV, V.I.; SADOVS'KIY, F.A.; FEDOROV, V.O.

Controlling macracanthorhynchosis in swine. Trudy Inst.zool.AN URSR
8:15-17 '52. (MIRA 9:9)
(Swine--Diseases and pests) (Nematoda) (Ivankev District)

SADOVSKIY, F.A.

Radication of sterility in cows on district cattle farms.

Veterinariia 35 no.3:60-62 Mr '58.

(MIRA 11:3)

1. Glavnyy vetvrach Fastovskogo rayona, Kiyevskoy oblasti.
(Fastov District--Sterility in animals)

SADOVSKIY, F.T.

Ways of developing the precast reinforced concrete industry.
Bet.izhel.-bet. no.5:156-161 Ag '55. (MIRA 8:9)

1. Chlen-kollegii Ministerstva promyshlennosti stroitel'nykh
materialov SSSR.

(Precast concrete)

CHIZHEVSKIY, Aleksandr Leonidovich, prof.; POGOSOV, A.G., red.;
SADOVSKIY, F.T., red.; MEDVEDEV, M.M., red.; PONOMAREVA,
A.A., tekhn.red.

[Aeroionization in the national economy] Aeroionifikatsiia
v narodnom khoziaistve. Pod obshchei red. i s predisl. A.G.
Pogosova i F.T.Sadovskogo. Moskva, Gosplanizdat, 1960. 757 p.
(MIRA 13:6)

(Air, Ionized)

SADOVSKIY, F.T.

Sanitary engineering equipment made of polymers. Stroi.mat. 10 no.8:2-
6 Ag '64. (MIRA 17:12)

1. Nachal'nik Soyuzglavsantekhproma.

SADOVSKIY, G.

Inland water transportation workers fighting for technical progress.
Rech. transp. 19 no.12:26-29 D '60. (MIRA 13:12)

1. Glavnyy inzh. Glavvodputi.
(Inland water transportation—Technological innovations)

SADOVSKIY, G.

Greater attention to the operation of hydraulic engineering structures. Rech.transp 21 no.4:31-34 Ap '62. (MIRA 15:4)

1. Nachal'nik Glavnogo upravleniya vodnykh putey i gidrotekhnicheskikh sooruzheniy Ministerstva rechnogo flota.
(Hydraulic structures)

SADOVNIKOV, G., kand. tekhn. nauk

Selection of the lock type and the arrangement of hydroelectric
power centers. Rech. transp. 21 no.8:31-33 Ag '62.

(MIRA 18:9)

ACCESSION NR: AP5001375

S/0310/64/000/007/0005/0008

AUTHOR: Sadovskiy, G. (Chief)

TITLE: New water route

SOURCE: Rechnoy transport, no. 7, 1964, 5-8

TOPIC TAGS: transportation, water traffic, canal, inland waterway, Volga Baltic canal

ABSTRACT: The Volga-Baltic Canal is discussed from the commercial and operational points of view. The major commercial importance of the canal is that it completes an inland waterway network linking the Baltic, White, Caspian, Azovskiy, and Black Seas, providing waterways from the northwest of the SSSR to the Volga-Kamskiy and Don Basins. Several of the types of goods transported over the new route are listed. The canal is described as being 361 km in total length, including 264 km of lock structures and 66 km of artificial canals, thus making the canal 4.5 times as long as the Panama Canal and twice as long as the Suez. The author describes previously constructed facilities and explains their role in the new construction. A general description of the 7 locks is given, as well as a description of the dams, causeways, and reservoir facilities which service the locks. Open channel

Card 1/2

ACCESSION NR: AP5001375

floodways are used. Precautions against seepage are mentioned. The minimum width along the canal is 40 m. Credit is given to Gidroyekt, to the LIVT laboratory, to the Cherepovetskaya GES, to the Ministry of the River Fleet, and to Glavvodput' MRF for their respective accomplishments in the project. Orig. art. has: 2 photographs.

ASSOCIATION: GLAVVODPUT'

SUBMITTED: 00

ENCL: 00

SUB CODE: GO

NO REF SOV: 000

OTHER: 000

Card 2/2

L 20966-65 ARG/EWT(a)/FBD/EWT(1)/FBO/EEC(k)-2/EWG(s)-2/FCS/EWP(c)/EPR/
T-2/EWP(h)/EED-2/FCS(k)/EWA(h)/FS(b) Pn-4/Pq-4/Pe-4/Pag-2/Peb/Pw-4
ACCESSION NR: AP5001391 ASD(m)-3 JWA/TT/WW S/0310/54/000/009/0030/0033 6

AUTHORS: Kolobov, Yu. (Engineer); Pankov, Ye. (Engineer); Sadovskiy, G. (Engineer)

TITLE: ~~X~~Repair and installation of rear supports for shaft guides in "Rocket" type motor ships

SOURCE: Rechnoy transport, no. 9, 1964, 30-33

TOPIC TAGS: ship, repair welding, ship repair / "Rocket 76" ship, "Rocket 1" ship, "Rocket 31" ship, "Rocket 61" ship

ABSTRACT: Three types of repair of the rear supports of propeller shafts in "Rocket" type motor ships are discussed. Damage to "Rocket-15", consisting of a bent support, shown in Fig. 1 on the Enclosures, and deformation of the shaft sleeve, was repaired by heating the sleeve region to 300C, forcing a tapered insert into the sleeve from each direction, and finally placing a cylindrical insert in the sleeve before bending the support to its original position, as shown in Fig. 1. The same procedure was used successfully for "Rocket-31." A break of the rear support along the shaft sleeve on "Rocket-76" was repaired by removing part of the support (as shown in Fig. 2 on the Enclosures) and welding a new shaft sleeve section into place. "Rocket-61" received similar repairs. Extensive damage of the

Card 1/4

L 20966-65
ACCESSION NR: AP5001391

ear support on "Rocket-1" required replacement of the whole support. The cheeks of the support were separated from the rear fin and, after thorough cleaning and careful alignment of the new rear support with the use of an aligning fixture, the support was refastened and welded. Measurements of the resulting alignments in all three repair procedures proved satisfactory, and all ships completed a successful season. Orig. art. has: 8 figures.

ASSOCIATION: TsKB po sudam na podvodnykh krylyakh zavod "Krasnoye Sormovo"
(TsKB for "Krasnoye Sormovo" Factory)

SUBMITTED: 00

ENCL: 02

SUB CODE: IE, GO

NO REF SOV: 000

OTHER: 000

Card 2/4

L 20966-65

ACQUISITION NR: AP5001391

ENCLOSURE: 01

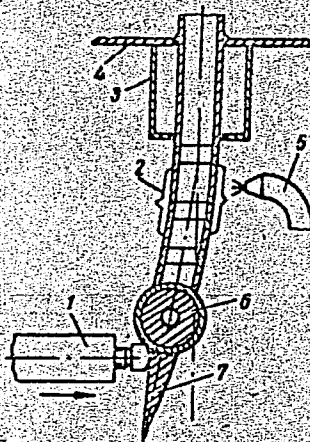


Fig. 1. Straightening of the rear support using heating and a screw-jack:
1 - jack; 2 - heating zone; 3 - water seal; 4 - hull; 5 - gas flame;
6 - cylindrical insert; 7 - fin.

Card 3/4

L 20966-65
ACCESSION NR: AP5001391

ENCLOSURE: 02

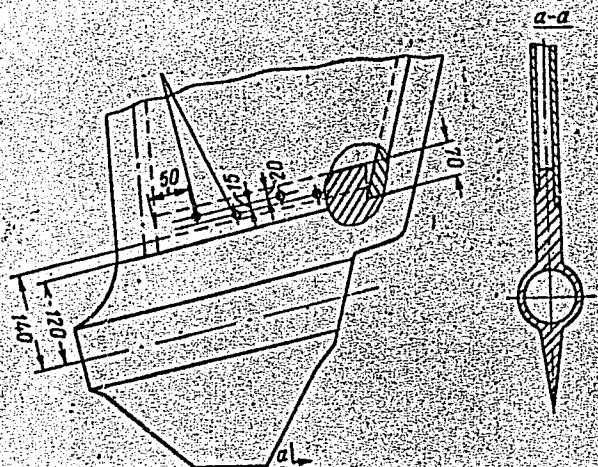


Fig. 2. Rear support after repairs.

Card 4/4

L 09317-67 EWP(d)/EWP(1)

ACC NR: AP6020056

SOURCE CODE: UR/0310/66/000/005/0036/0037

AUTHOR: Sadovskiy, G. (Chief)

20

ORG: Glavvodput' MRF

TITLE: Development of inland waterway systems during the current Five-Year Plan

14

SOURCE: Rechnoy transport, no. 5, 1966, 36-37

TOPIC TAGS: inland waterway transportation, inland waterway network, hydraulic engineering, hydroelectric power plant, dredging machinery, *harbor utility craft*

ABSTRACT: The directives of the now Five-Year Plan are reviewed with regard to the planned development of the inland waterway system. In connection with the growth of traffic in the estuaries of the Ob' and Taz rivers, extensive harbor and river works are planned including the Pur, Taz and Konda rivers. The improvements and the developments of navigation in the Ob' and Irtysh rivers basin are also reviewed and various elevator and hydraulic dredges are mentioned. In total, 19 dredges of 500, 1000 and 2500 cu m/hr capacities will be delivered to this basin. The Lena river basin will be provided with 15 new dredges in addition to the 17 which are now in use. Navigation conditions of the Yenisey river will be greatly improved with the planned termination of the construction of the Krasnoyarsk Hydroelectric Power Plant. It is also planned that the Lower-Kama and Saratov Power Plants will be put into operation on the Kama-Volga waterway system and the construction of the Cheboksary Power Plant will be started. The construction of this

UDC: 627.4.002

Card 1/2

L 09317-67

ACC NR: AP6028056

plant will be completed during the next five-year period. Only then, the development of the entire Volga waterway system will also be completed. The construction of additional sluices on the Don river is planned in order to coordinate the flow of water needed for navigation with the increase in water demands for irrigation. New improvements and rivers works are also planned for the waterways connecting the Volga river with the Baltic Sea and the Don river as well as for the waterway system between the Baltic Sea and the White Sea.

SUB CODE: 10, 13/5/SUBM DATE: None

Card 2/2

SADOVSKIY, G.A., inzh.

Methods of further improving the design and operation of navigable
hydrotechnical installations. Rech. transp. 17 no. 6:28-30 Je '58.
(Inland navigation)
(Hydraulic engineering)

SADOVSKIY, G.I.
FILIYASOV, K.A., otvetstvennyy za vypusk; VAKHTUROV, A.N., red.; SOLOV'YEV, I.F., red.; SADOVSKIY, G.I., red.; SUTYRIN, M.A., red.; KHIZHIN, A.V., red. [deceased]; CHEGODAYEV, N.N., red. [deceased]; GORCHAKOV, G.N., tekhn.red.

[Regulations for inland navigation in the U.S.S.R.] Pravila plavaniia po vnutrennim vodnym putiam SSSR. Vvedeny f deistvie prikazom NKRF no.212 ot 28 iulia 1945 g. Dop. i izmeneniia vvedeny v deistvie prikazom MRF no. 314 ot 14 oktiabria 1947 g. Izd. 8-os, stereotip. Moskva, Izd-vo "Rechnoi transport," 1958. 197 p. (MIRA 11:5)

1. Russia (1923- U.S.S.R.) Ministerstvo rechnogo flota.
(Inland navigation--~~Laws~~ and regulation)

SOV-127-58-3-5/24

AUTHORS: Gorodetskiy, P.I., Zaydman, L.A., Pakhomov, A.S., Paliy, V.D., Sadovskiy, G.I. and Shablygin, A.I.

TITLE: Development of Methods of Exploitation in the Mine 7/9 of the Noril'sk Combine (Razvitiye sistem razrabotki na rudnike 7/9 Noril'skogo Kombinata)

PERIODICAL: Gornyy zhurnal, 1958, Nr 3, pp 21-32 (USSR)

ABSTRACT: The exploitation of dispersed ores of the Noril'sk deposits is made very difficult due to the unfavorable underground conditions and, till now, several methods of exploitation have been tried and rejected. The part of the Noril'sk deposits which forms the exploitation field of the mine 7/9 is formed by sheet-like deposit of the mineralized gabbro-diabases about 18-20 m thick. The ore body is divided by a tectonic break. The western part is occupied by the mine Nr 7, and the eastern - by the mine Nr 9. The exploitation is difficult because of: 1) extreme fracturing of the rocks, which does not allow the uniform crushing of the ore by blasting operations; 2) extreme toughness and adhesiveness of the ore and surrounding rocks; 3) metan emanations from the underlying layers; 4) eternal frozen state of the ore which excludes drilling with washing; and 5) the presence of mas-

Card 1/3

SOV-127-58-3-5/24

Development of Methods of Exploitation in the Mine 7/9 of the Noril'sk
Combine

sive covering rocks which hampers their caving in and can create excessive pressure on the blocks. Many methods of exploitation have been tried since 1951 and each one has proved unsatisfactory. Finally the method of compulsory cave-in of blocks was adapted. In 1956 the Rudnaya laboratoriya gornoy opytno-issledovatel'skoy stantsii (The ore laboratory of the experimental-research station) (GOIS) of the Noril'sk Combine elaborated several variations of this method which were tried out during mining operations. The authors give a detailed description of the methods and of results obtained. The blasting method of the rocks covering the already exploited chambers was elaborated by the Kafedra razrabotki rudnykh mestorozhdeniy (The Chair of Exploitation of Ore Deposits) of the Leningrad Mining Institute. As a final result of these experiments it was found that normal working conditions in the mine could be assured when: 1) the compulsory cave-in

Card 2/3

SOV-127-58-3-5/24

Development of Methods of Exploitation in the Mine 7/9 of the Noril'sk Combine

of the covering rocks is strictly observed; 2) a systematical exploitation of the blocks is observed; and 3) the time of preparation of the rock blasting is shortened, so, that there is no delay between the termination of the exploitation and the blow up of the covering rocks. There are 2 photos, 5 tables, and 9 diagrams.

ASSOCIATION: Rudnaya laboratoriya gornoy opytno-issledovatel'skoy stantsii Noril'skogo kombinata. (GOIS). (The Ore-Laboratory of the Experimental and Research Station of the Noril'sk Combine (GOIS)) Kafedra razrabotki rudnykh mestorozhdeniy Leningradskogo gornogo instituta (The Chair of Exploitation of Ore Deposits of the Leningrad Mining Institute)

1. Mining industry--USSR
2. Ores--Production
3. Mining engineering

Card 3/3

SADOVSKIY, G.I.; PAKHOMOV, A.S.; SHABLYGIN, A.I.; DOROKHOV, M.I.; ZAYDMAN,
L.A.; GRIGORYANTS, E.L.; VILLEM, E.Yu.

Improving mining technology in the "Zapolyarniy" Mine of the
Noril'sk Combine. Gor. zhur. no.11:31-38 N '61. (MIRA 15:2)
(Noril'sk region--Mining engineering)

SADOVSKIY, G.I.; PAKHOMOV, A.S.

Forced block caving with complete pillarless ore drawing;
"Zapolyarnyy" Mine, Noril'sk Combine. Zap.IGI 44 no.1:110-117
'61. (MIRA 14:10)

(Mining engineering)

SADOVSKIY, G.I., kand.tekhn.nauk; PAKHOMOV, A.S., gornyy inzh.; FILIPPENKOV,
A.I., gornyy inzh.

Ways of reducing the work in drawing and hauling ore in the
"Zapolyarnyi" Mine. Gor.zhur. no.2:23-26 P '63. (MIRA 16:2)

1. Noril'skiy gorno-metallurgicheskiy kombinat.
(Noril'sk region—Mining engineering—Labor productivity)

FUGZAN, M.D., kand. tekhn. nauk; SADOVSKIY, G.I., kand. tekhn. nauk;
ZHMURKO, P.T., gornyy inzh.; FILIPPENKOV, A.I., gornyy inzh.;
KOREN'KOV, E.N., gornyy inzh.; SHABLYGIN, A.I., kand. tekhn. nauk

Searching for optimal parameters of the induced block caving system
at the "Zapoliarnyy" mine. Gor. zhur. no.6:19-24 Je '65. (MIRA 18:7)

SADOVSKIY, G. L.

26611 K voprosu izucheniya rechnykh pereformirovaniy. Rech. Transport, 1949,
No. 4, s. 20-23.

SO: LETOPIS' NO. 35, 1949

SADOVSKIY, G. L.

SADOVSKIY, G. L. "Navigable conditions of the interior waterways and measures for development and improvement," In the symposium: Materialy tekhn. soveshchaniy po putevym rabotam (M-vo rech. flota SSSR), Moscow, 1949, p. 95-109

SO: U-5240, 17Dec53, (Letopis 'Zhurnal 'nykh Statey, No. 25, 1949).

SADOVSKIY, Georgiy L'vovich; GRIGOR'YEV, S.N., redaktor; RZHANITSYN, N.A., retsenzent; DENISOVICH, P.A., retsenzent; VINOGRADOVA, N.M., redaktor izdatel'stva; KRASNAYA, A.K., tekhnicheskii redaktor.

[Major dredging of sandbanks] Kapital'nye dnouglubitel'nye raboty na perekatakh. Moskva, Izd-vo "Rechnoi transport", 1956. 128 p.
(Dredging) (MIRA 9:6)

SADOVSKIY, G.L.

GRIGOR'YEV, Sergey Nikolayevich; TOLMACHEV, Andrey Borisovich; ~~SADOVSKIY~~
G.L., retsenzent; SEADRIN, I.A., retsenzent; MATLIN, G.M., redaktor;
~~VINOGRADOVA~~, N.M., redaktor izdatel'stva; KUZ'MINA, G.M., tekhnicheskii redaktor

[Practical manual for overseers of navigation channels] Prakticheskoe
posobie putevomu masteru. Moskva, Izd-vo "Rechnoi transport," 1957.
191 p. (MIRA 10:9)

(Hydraulic engineering) (Marine service)

MATLIN, Grigoriy Markovich; GRIGOR'YEV, Sergey Nikolayevich; SADOVSKIY, G.I.,
retsensent; ANTONOV, B.S., red.; VINOGRADOV, N.M., red., izd-va;
SALAZKOV, N.P., tekhn. red.

[Redesigning aids to navigation for inland waterways] Rekonstruktsiya
sudokhodnoi obstanovki na vnutrennikh vodnykh putiakh. Moskva, Izd-
vo "Tekhn. transport," 1958. 85 p. (MIRA 11:9)
(Aids to navigation)

SADOVSKIY, G.L., inzh.

White Sea-Baltic Canal has been in operation for 25 years. Rech.
transp. 17. no.8:28-29 Ag '58. (MIRA 11:10)
(Russia, Northern--Canals)

GALKIN, Rostislav Nikolayevich; RENSKIY, Nikolay Mikhaylovich;
SADOVSKIY, G.I., retsenzent; SUKHAREV, S.I., retsenzent;
ANTONOV, B.S., red.; ALEKSEYEV, V.I., red.izd-va; YERMAKOVA,
T.T., tekhn.red.

[Manual for sailors of inland transportation] Posobie dlia
rabotnikov sudokhodnoi obstanovki. Moskva, Izd-vo "Rachnoi
transport," 1959. 258 p. (MIRA 12:8)
(Electricity on ships)

SADOVSKIY, G.L., inzh.

Construction of the Volga-Baltic Waterway. Rech.transp. 18 no.3:28-31
Mr '59. (MIRA 12:4)

(Waterways)

SADOVSKIY, G.L.

For extension adoption waterway of new equipment, over-all
mechanization and automation in waterway processes. Rech. trans.
18 no.8:35-38 Ag '59. (MIRA 12:12)

1.Glavnyy inzhener Glavvodputi.
(Inland water transportation)

SADCOVSKIY, G. L., Cand Tech Sci -- (diss) "Morphological principles of the growth of erratic waterway forms and their utilization in the surveying of cuts and straightening installations on rivers." Leningrad, 1960. 26 pp; 3 pages of illustrations; (Ministry of River Traffic RSFSR, Leningrad Inst of Water Transport); 120 copies; price not given; (KL, 50-60) 134

LIFSHITS, Mikhail Naftol'yevich; MOISEYEV, Viktor Mikhaylovich;
SADOVSKIY, F.T., red.

[Electrical effects in aerosols and their applications]
Elektricheskie yavleniya v aeroliakh i ikh primeneniye.
Moskva, Energiya, 1965. 223 p. (MIRA 18:3)

MARCHENKO, N.; ~~SADOVSKIY, I.~~

A hero's star. Prof.-tekh. obr. 17 no.9:20-21 S '60. (MIRA 13:10)
(Farm mechanization)

MARCHENKO, N.; SADOVSKIY, I.

Earth submits to the strong. Prof.-tekh. obr. 18 no.5:19-20
My '61. (MIRA 14:8)

(Mogilev Province--Farm mechanization)

ACC NR: AP6036329

SOURCE CODE: UR/0006/66/000/011/0007/0010

AUTHOR: Sadovskiy, I. I.

ORG: none

TITLE: Coefficient of vertical refraction as a function of the absolute altitude of the Earth's surface (from the observations conducted in Eastern Siberia)

SOURCE: Geodeziya i kartografiya, no. 11, 1966, 7-10

TOPIC TAGS: geodetic surveying, refraction coefficient, triangulation ~~unclassified~~

ABSTRACT: Relationship between the refraction coefficient k and the absolute altitude was studied by statistical means from 1000 determinations taken at altitudes of 200 to 3000 m above sea level at 200 m intervals. Data obtained during geodesic grading performed while developing triangulation networks of the 2nd and 3d class in Eastern Siberia in 1959-1964 have been employed for determination of the refraction coefficient. The measurements of the zenith distances have been conducted at identical times and identical meteorological, altitudinal, and other conditions, to minimize errors. Statistical analysis of the values for a series of k indicates that they are subject to the law of normal distribution. The deviation of the thus determined coefficient of refraction k_n (a function of the absolute altitude) from the generally used average coefficient k_{av} (calculated from zenith distances at triangulation points whose altitudes are determined by geometrical grading) is tabulated.

Card 1/2

UDC: 528.024.4

SADOVSKIY, I.M., kandidat tekhnicheskikh nauk.

Moment of an induction motor with double feed. Vest.elektroprom. 18
no.6:1-3 Je '47. (MLRA 6:12)

1. Vsesoyuznyy elektrotekhnicheskiy institut im. V.I.Stalina.
(Electric motors, Induction)

30829. SADOVSKI, I. M.

Nekotoryye voprosy obshchey teorii elektricheskikh mashin. Vestnik
elektronrom-sti, 1949, No. 9, s. 1-7. -- Bibliogr: 12 nazv.

SADOVSKIY, I. M.

Cand. Technical Sci. Mbr., All-Union Electrical Engineering Inst. im. V. I. Lenin,
-cl949. "Electrodynamics of Electric Commutator Machinery," Elektrichestvo, No. 4,
1949; "Simplified transformations in the theory of electrical machines," Vesb. Elektro-
Prom., 20, No. 1, 1949. "Certain Problems on the General Theory of Electrical Machines,"
ibid. No. 9, 1949.

1ST AND 2ND COVER																										PROCESSES AND PROPERTIES INDEX																									
SADOVSKIY, I.M.																										621.313.33																									
S A																										3105. Simplified transformations in the theory of electrical machines. SADOVSKIY, I.M. Vestn. Elektrom., 20, 3-9 (Jan., 1969) In Russian. A simplified method is given for obtaining the usual linear transformations of the differential equations of the synchronous and asynchronous machine. B. P. K.																									
AS - 31.4 METALLURGICAL LITERATURE CLASSIFICATION																										ELECTRICITY																									

AUTHOR
TITLE

SADOVSKIY I.M. (Moscow)

PA - 3232

Graphical Determination of Rotation Electromotive Force of Selsyn System. (Graficheskoye opredeleniye e.d.s. vrashcheniya v sel'sinnykh skhemakh.- Russian)

PERIODICAL

Avtomatika i Telemekhanika 1957, Vol 18, Nr 5, pp 466-470 (USSR)

ABSTRACT

Usually in automatic control systems the selsyn 1 is excited by the alternating current, whereas from the single-phase winding of the selsyn 2 there is collected a voltage that depends on the rotation of the two rotors against each other. At stationary and sufficiently accurate selsyns this voltage E becomes zero, if the difference $\alpha_2 - \alpha_1$, of the angles of rotation of the two rotors equals 90° . This position is considered as the "zero" position, and from it the "angle of non-coincidence" $\delta = (\alpha_2 - 90^\circ) - \alpha_1$ is measured. If the selsyns rotate with the same velocity, then there originates in the single-phase winding of the selsyn 2, even if $\delta = 0$, an electromotive force which depends on the angular velocity. This electromotive force causes an undesirable shifting of the point with the lowest E value with respect to the zero position at stationary selsyns. The paper under review investigates a simplified graphical determination of this additional

CARD 1/3

Inst Automatics & Telemekhanics, AS USSR

SADOVSKIY, I.M., kand.tekhn.nauk

Special operations with complex numbers in the theory of salient
pole electric machines. Elektrichestvo no.7:89-90 JI '61.

(MIRA 14:9)

(Electric machinery)

SADOVSKIY, I.M., kand.tekhn.nauk (Moskva)

Electromotive forces caused by the leakage flux in an armature
with a double set of brushes. Elektrichestvo no.2:59-60 F '62.
(MIRA 15:2)

(Rotating amplifiers)

SADOVSKIY, I.N., kand.tekhn.nauk, red.; LATYNIN, Ye.V., inzh., red.;
~~TOBIANSKAYA~~, F.G., red.izd-va; ROZHIN, V.P., tekhn.red.

[Research on optimal rocket trajectories; collection of translated
foreign articles] Issledovanie optimal'nykh rezhimov dvizheniia
raket; sbornik perevodov inostrannykh statei. Moskva, Gos.izd-vo
obor.promyshl., 1959. 292 p. (MIRA 12:9)
(Space ships) (Rockets (Aeronautics))

SADOVSKIY, K. A.

PA 171T54

USSR/Electricity - Power Factor
Electricity Rates

Nov 50

"Rate Schedules Designed for Increasing the Power Factor," G. V. Serbinovskiy, Engr, Power Sales Office, Mosenergo, K. A. Sadovskiy, Engr, Khar'kov Electromech Plant, Glavzagotstroya

"Elektrichestvo" No 11, pp 87-89

Reviews article by V. N. Lobanov and I. M. Kamen', "Elektrichestvo," No 7, 1950. Serbinovskiy thinks transition to rates based on reactive power is impractical. Favors sanctions on enterprises which lower their power factor, and believes scale of

171T54

USSR/Electricity - Power Factor (Contd)

Nov 50

allowances and charges should be revised to stimulate increase in power factor. Sadovskiy gives example of artificial increase of power factor to show present rates should be revised.

171T54

AUTHOR: Sadovskiy, K. A., Engineer

94-58-6-5/19

TITLE: Problems of Heating Press Tools (Voprosy obogreva press-form)

PERIODICAL: Promyshlennaya Energetika, 1958, Nr 6, pp 11-12 (USSR)

ABSTRACT: This brief article describes standard heating elements that have been devised and used in the author's works for heating press tools in the plastics moulding shops. The heaters consist of Nichrome wire spirals set in holes in fired clay blocks. The test breakdown voltage of the blocks is 3 kV. Each block contains four heating spirals connected as shown in Fig.2. When necessitated by safety requirements the heaters are operated at 36 V, but 220 V is preferred as it is really quite safe and is cheaper and more reliable. There are 2 figures.

Card 1/1 1. Plastics - Processing 2. Heating elements - Applications
 3. Heating elements - Design 4. Heating elements - Materials

KAMALOV, K.; VISHNYAKOVA, A.A.; IVANOV, V.P.; NABIYEV, M.N.; SADOVSKIY, K.D.;
ROZENOVICH, V.A.; KALMANOVICH, L.A.

Development of the production technology for ammoniated super-phosphate on the basis of a granulation equipment. Uzb.khim. zhur. 9 no.1:58-61 '65. (MIRA 18:6)

1. Institut khimii AN Uzbekskoy SSR.

SADOVSKIY, K.M.

Fraction of uric acid nitrogen in the general nitrogen of urine and the residual nitrogen in healthy children. Vop. gemat. v pediat. no.3:28-30 '64.

Content of uric acid in the blood and urine in some forms of anemia in children. Ibid.:182-189

Fraction of uric acid nitrogen in the general nitrogen of urine and residual nitrogen in leukemia in children. Ibid.:328-335

Fraction of uric acid nitrogen in the general nitrogen of the urine and residual nitrogen in lymphogranulomatosis and malignant neoplasms in childhood. Ibid.:433-438

(MIRA 18:)

SADOVSKIY, L.A., inzh.

Three-stator stepping motors and methods for commutating their
control windings. Trudy MEI no.38:111-124 '62. (MIRA 17:2)

SVISTUNOV, G.A., inzh.; SADOVSKIY, L.A., inzh.

New machines. Stroi i dor. mash. 8 no.12:27-29 D*63 (MIRA 17:7)

Konstantinov, V.G., Candidate of Technical Sciences. High-Efficiency Synchronous Motor for the Control of Electric Machine Excitation

RATMIROV, Valeriy Arkad'yevich; IVOBOTENKO, Boris Alekseyevich;
TSATSENKIN, Viktor Kirillovich; SADOVSKIY, Lev Aleksandrovich;
CHILIKIN, N.G., prof., red.; GERSHENZON, G.S., red.

[Systems with stepping motors] Sistemy s shagovymi dvigate-
liami. Moskva, Energiia, 1964. 134 p. (Biblioteka po avto-
matike, no.110. Elektroprivody s poluprovodnikovym upravle-
niem) (MIRA 17:11)

SADOVSKIY, L.A.

Clamshell bucket with outstanding cutting lips. Biul. tekhn.-
ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.
17 no.4:63-64 Ap '64. (MIRA 17:6)

ACC NR: AP7004649 (A) SOURCE CODE: UR/0432/66/000/001/0009/0013

AUTHOR: Kossovskiy, V. G.; Guk, K. N.; Sadovskiy, L. V.; Novikova, A. T.

ORG: none

TITLE: Unit for controlling operations in a special-purpose control digital computer

SOURCE: Mekhanizatsiya i avtomatizatsiya upravleniya, no. 1, 1966, 9-13

TOPIC TAGS: control computer, digital computer, computer research

ABSTRACT: A list of instructions to be realized by the computer serves as initial data for designing the control unit. The latter comprises: (a) clock-pulse unit, (b) micro-operation control circuit, and (c) operation decoder. The clock-pulse unit produces pulses and sequentially distributes them among its trunks. The control circuit handles microprograms consisting of 38 micro operations (a 10-

Card 1/2

UDC: 681.142.63

ACC NR: AP7004649

cycle microprogram table is shown). Ferrite-core circuits are used throughout. The control unit operates on a two-cycle principle (a read cycle for one group of cores serves simultaneously as a preparatory cycle for another group). The micro-operation control circuit comprises 5 core groups. The operation decoder is built on a two-step principle; first-step cores perform logical multiplication of the first three variables $X_1 X_2 X_3$ of the operation code; second-step cores, multiplication of the remaining two variables $X_4 X_5$. The clock frequency can go as high as 30 kc; pulse height, 0.4 amp; pulse duration, 8μ sec. The above control unit exhibited reliable operation in conjunction with a laboratory model of a small-size control digital computer. Orig. art. has: 1 figure and 1 table.

SUB CODE: 09 / SUBM DATE: none / ORIG REF: 002

Card 2/2

SADOVSKIY, L. YE.

O strukturnykh izomorfizmax svobodnykh grupp. DAN, 32 (1941), 171-174.

SO: Mathematics in the USSR, 1917-1947
edited by Kurosh, A. G.,
Markushevich, A. I.,
Rashevskiy, P. K.
Moscow-Leningrad, 1948

SADOVSKIY, L. YE.

Strukturnyye izomorfizmy svobodnykh grupp. I svobodnykh proizvedeniy. Matem. SB., 14 (56), (1944), 155-173.

SO: Mathematics in the USSR, 1917-1947

edited by Kurosh, A. G.,

Markushevich, A. I.,

Rashevskiy, P. K.

Moscow-Leningrad, 1948

SADOVSKIY, L. Ye.

Sadovskiy, L. E. The algebraization of a problem in the theory of the control of calculating automata. *Uspehi Matem. Nauk (N.S.)* 2, no. 6(22), 223-226 (1947). (Russian)

The author considers the problem of determining the minimum number of class selectors (as used on an I. E. M. tabulator, for instance) necessary in order that n impulses (or sets of impulses) can be put on n counters of the machine in any of the $n!$ possible ways by proper picking up of the selectors. Since for two pulses this can be effected by a pair of such selectors, the author shows that (for single pulses) the number sought is not greater than $2r$, where r is the least number such that an arbitrary permutation S of the symmetric group on n letters can be expressed in at least one way in the form $(*) S = T_1^{e_1} T_2^{e_2} \cdots T_r^{e_r}$. Here the e_i are 0 or 1 and the T_i form a fixed ordered set of transpositions. The author shows that $r \leq n(n-1)$, and that in equality holds for $n=4$ and $n=5$. He suggests it would be an interesting problem to find a systematic method of determining r , and the form $(*)$, for each n .

H. B. Curry (State College, Pa.).

Source: Mathematical Reviews,

Vol 10 No. 6

SADOVSKIY, L. [Ye.]

PA 21T71

USSR/Mathematics - Group Theory
Mathematics - Lattice Theory

Jun./Aug 1947

"On the Structural Isomorphism of Free Products of Groups," L.Sadovskiy, Moscow, 20 pp

"Matematicheskii Sbornik" Vol XXI

Complete solution of the problems proposed by A Kurosh and R Baer in their "Applicability of Lattice Theory to Group Theory," Bull Am Math Soc, 44, No 12 (1938), 817 - 820.

21T71

SADOVSKIY, L. Ye.

Sadovskii, L. E. Integrating mechanisms. *Uspehi Matem. Nauk (N.S.)* 3, no. 3(25), 113-151 (1948). (Russian).

After starting with the ordinary polar, linear and hatchet planimeters and the Ott integrimeter and without any discussion of moment planimeters the usual classification and examples of harmonic analyzers are given. Product integrators [J. A. Van den Akker] and Stieltjes integrators [E. J. Nystrom] receive attention before turning to integrals [H. Adler-L. A. Ott] which in turn lead naturally to devices designed to integrate special differential equations [D. M. Myers] and thus to the differential analyzer. The general mathematical theory of this, largely following C. E. Shannon [J. Math. Physics 20, 337-354 (1941); these Rev. 3, 279] is outlined. Historical remarks are frequent throughout. Descriptions are brief and encourage the reader to consult the original sources. In view of its pioneering character, a translation of practically all of the paper of G. Coriolis [J. Math. Pures Appl. (1) 1, 5-9 (1836)] is included as an appendix. R. Church (Annapolis, Md.)

Source: Mathematical Reviews,

Vol 10, No. 10

Sam

SADOVSKIY, L. Ye.

Sadovskiy, L. E. Topics from the history of the development of mechanized mathematics in Russia. Uspehi Matem. Nauk (N.S.) 5, no. 2(36), 5-71 (1950). (Russian)
 The first half of this paper is devoted to the work of Russian inventors in connection with early digital computing machines. Attention is given principally to P. L. Chebyshev who found (1881) a satisfactory solution to the problem of carry-over and developed a machine in which multiplication and division were automatic, thus "by many years anticipating the essential arrangement of the mechanism for automatic multiplication in contemporary calculating machines, the difference consisting only in details of construction." The machine patented in 1878 by V. T. Odner and thereafter widely distributed also receives attention. In the latter part of the paper two planimeters, patented in 1854 and 1856 by P. A. Zarubin, are described in some detail. These make use of the disc and friction wheel like pre-Amsler (1856) instruments such as that of T. Gonella (1825) [O. Henrici, Rep. British Assoc. Advance. Sci. 1894, 496-523]. Reference is of course made to the early differential analyzer designed by and built (1904-1911) for A. N. Krylov as a result of ideas suggested by the work of W. Thomson [Proc. Roy. Soc. London. 24, 266-275 (1876)].
 R. Church (Annapolis, Md.)

Source: Mathematical Reviews,

Vol. 12, No. 2.

SADOVSKIY, L. Ye

USSR/Mathematics - New Books

Jul/Aug 51

"Criticism and Bibliography," G. P. Boyev, N. Ya. Sysoyeva, Ye. Ye. Brenev,
L. Ye. Sadovskiy

"Uspekhi Matematicheskikh Nauk". Vol VI, No 4 (44), pp 232-237

(1) L. V. Kantorovich, "Teoriya Veroyatnostey" (Theory of Probabilities), Leningrad, 1946. A textbook intended for naval and military engineering institutes. It is a small (152 pp) book but contains fundamentals of the theory of probability studied in secondary military engineering schools. (2) N. V. Yefimov, "Kratkiy Kurs Analiticheskoy Geometrii" (Short Course on Analytical Geometry), Gostekhizdat, 1950, 248 pp, 50,000 copies. Until recently the main textbook on analytical geometry for secondary schools was the text by I. I. Privalov, "Analytical Geometry," 16th Ed, 1949, 311 pp. Defects of this book are corrected by the reviewed book of Yefimov.

191T88

SADOVSKIY, L.Ye.

BERMAN, G.N. [author]; SADOVSKIY, L.Ye. [reviewer]; BERMANT, A.F. [redaktor].

"Collection of problems to a course of mathematical analysis." G.N.Berman.
Reviewed by L.E.Sadovskii. Usp.mat.nauk. 8 no.4:201-207 J1-Ag '53.

(MLA 6:8)

(Mathematics--Problems, exercises, etc.) (Berman, Georgii Nikolaevich,
d. 1949)

SADOVSKIY, L.Ye.

KLETENIK, D.V. [author]; SADOVSKIY, L.Ye. [reviewer]; EFIMOV, N.V.[redaktor].

"Collection of problems in analytical geometry." D.V.Kletenik. Reviewed
by L.E.Sadovskii. Usp.mat.nauk. 8 no.4:208-210 J1-Ag '53. (MLRA 6:8)
(Geometry, Analytic) (Kletenik, D.V.)

MAMONOV, Ye.I., [translator]; SADOVSKIY, L.Ye. [translator]; KHETAGU-
ROVA, Ya.A. [translator]; SHESTAKOV, V.I., redaktor.

[Synthesis of electronic computing and control circuits] Sintez
elektronnykh vychislitel'nykh i upravlyaiushchikh skhem. Perevod
s angliiskogo E.I.Mamonova, L.E.Sadovskogo i I.A.A.Khetagurova.
Pod red. V.I.Shestakova. Moskva, Izd-vo inostrannoi lit-ry, 1954.
357 p. (MLRA 7:8)

(Electronic calculating machines)

SADOVSKIY, L.Ye.

"Collection of problems in higher mathematics." Usp.mat.nauk
9 no.1:158-162 Ja-F '54. (MLRA 7:2)
(Mathematics--Problems, exercises, etc.) (Minorskii, V.P.)

SADOVSKIY, L.

"A course of mathematical analysis", vol.1. G.P.Tolstov. Reviewed
by L.Sadovskii. Usp.mat.nauk 10 no.3:235-238 '55. (MLRA 9:1)
(Calculus) (Tolstov, G.P.)

Sadovskiy, L. Ye.

Call Nr: AF 1108825

Transactions of the Third All-union Mathematical Congress (Cont.) Moscow, Jun-Jul '56, Trudy '56, V. 1, Xsect. Rpts., Izdatel'stvo AN SSSR, Moscow, 1956, 237 pp. Pinsker, A. G. (Leningrad). Locally Ordered Groups. 32-33

Plotkin, B. I. (Sverdlovsk). Radical and Semi-Simple Groups and Lie Algebras. 33

There are 2 references, both of them USSR.

Pyatetskiy-Shapiro, I. I. (Moscow). Modular Functions of Several Variables. 33

Sadovskiy, L. Ye. (Moscow). Subgroup Lattice of Nilpotent Torsion Free Group. 33-34

Mention is made of Kontorovich, P. G. and Plotkin, B. I.

There is 1 USSR reference.

Skornyakov, L. A. (Moscow). T-homomorphisms of Rings and Non-associative Free Fields. 34-35

Card 11/80

SADOVSKIY, L.Ye.

"Collection of problems in analytical geometry." D.V. Kletenik.
Reviewed by L.E. Sadovskii. Usp.mat.nauk 11 no.2:248-249 Mr-Apr '56.
(MIRA 9:8)
(Geometry, Analytic--Problems, exercises, etc.) (Kletenik, D.V.)

SADOVSKIY, L. Ye.

SADOVSKIY, L. Ye.

The structure of subgroups of a nilpotent group without torsion.

Usp.mat.nauk 12 no.3:201-204 My-Je '57.

(MIRA 10:10)

(Groups, Theory of)

SADOVSKIY L.E.

AUTHOR: SADOVSKIY L.E. (Moscow) 39-4-3/9
TITLE: Structural Isomorphisms of a Free Metabelian Group (Strukturnyye isomorfizmy svobodnoy metabelevoy gruppy)
PERIODICAL: Mat.Sbornik, 1957, Vol. 42, Nr.4, pp.445-460 (USSR)
ABSTRACT: At first the author asserts that the assumption that every structural isomorphism of a free nilpotent torsion-free group is induced by the corresponding group isomorphisms, is already incorrect for free metabelian groups. Then he investigates in detail the cyclic subgroups of the metabelian groups and he finds all those relations which have to exist between the cyclic subgroups of two free metabelian groups in order that the groups themselves are structural isomorphic (necessary and sufficient conditions). The extended paper includes altogether seventeen lemmas, theorems and conclusions the formulations of which partially are very long.
Six Soviet and 1 foreign references are quoted.
SUBMITTED: April 24, 1956
AVAILABLE: Library of Congress

Card 1/1

SADOVSKIY, L.Ye., SHUBALOVA, E.Z.

Course in mathematical analysis. Vol. 2, by G.P. Tolstov. Reviewed
by L.E. Sadovskii, E.Z. Shuvalova. Usp. mat. nauk 15 no.4:248-251
Jl-Ag '60. (MIRA 13:9)

(Mathematical analysis--Textbooks)

KARPELEVICH, Fridrikh Izrailevich; SADOVSKIY, Leonid Vefimovich;
DONCHENKO, V.V., red.; PLAKSHE, L.Yu., tekhn. red.

[Elements of linear algebra and linear programming] Ele-
menty lineinoi algebry i lineinogo programmirovaniia. Mo-
skva, Fizmatgiz, 1963. 274 p. (MIRA 16:10)
(Algebra , Linear) (Linear programming)

PEKELIS, A.S.; SADOVSKIY, L.Ye.

Projections of a metabelian torsion-free group. Dokl. AN SSSR 151
no.1:42-44 J1 '63. (MIRA 16:9)

1. Predstavleno akademikom A.I.Mal'tsevy.
(Abelian groups)

SADOVSKIY, L.Ye.

Structurally definable locally nilpotent torsionless groups. Dokl.
AN SSSR 154 no.6:1283-1286 F '64. (MIRA 17:2)

1. Moskovskiy institut inzhenerov transporta. Predstavleno akademikom
A.I.Mal'tsevym.

L 4123-66 EWT(d) IJP(c)

ACC NR: AP5028873

SOURCE CODE: UR/0038/65/029/001/0171/0208

AUTHOR: Sadovskiy, L. Ye. 44, 65

ORG: none

TITLE: Projections and isomorphisms of nilpotent groups 16, 44, 65

SOURCE: AN SSSR. Izvestiya. Seriya matematicheskaya, v. 29, no. 1, 1965, 171-208

TOPIC TAGS: group theory, isomorphism, projective geometry

ABSTRACT: Structural isomorphisms (projections) of locally nilpotent groups are studied. It is proven that each non-Abelian, locally nilpotent, torsion-free group is structurally determined and every one of its projections induces exactly one isomorphism and one anti-isomorphism. Orig. art. has: 47 formulas. [JPRS]

SUB CODE: MA / SUBM DATE: 30May64 / ORIG REF: 029 / OTH REF: 015

Card 1/1

UDC: 519.4

SADOVSKIY, L.Ye.

Approximation theorem and structural isomorphisms. Dokl. AN SSSR
161 no.2:300-303 Mr '65. (MIRA 18:4)

1. Moskovskiy institut inzhenerov transporta. Submitted October 14,
1964.

SADOVSKIY, M. A.

Sadovskii, M. A., and Kirillov, F. A. "The Seismic Effect of Explosions and the Present State of Its Study." *Vzryvchatoc Delo*, Moscow-Leningrad, No. 37, 1939, pp. 108-132.

SADOVSKY, M. A.

PA 4T122

USSR/Jet Propulsion

1945

"The Inner Structure of a Cumulative Jet," M. A.
Sadovsky, 3 pp

"CR Acad Sci" Vol XLIX, No 9

Experiments on measurement of specific impulses reduced to unit area in coaxial sections of a cumulative jet at various distances from the charge, to help clarify the distribution of the impulses in the cross section

4T122

SADOVSKIY, M.A.; SKOCHINSKIY, A.A., akademik, redaktor;

[Simplest methods of determining seismic danger of great explosions]
Prosteishie priemy opredeleniya seismicheskoi opasnosti massovykh
vzryvov. Moskva, Izd-vo Akademii nauk SSSR, 1946. 27 p. (MLRA 9:5)
(Explosions)

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
COMMON ELEMENTS																										COMMON VARIABLES																									
SADOVSKIY, M. A.																										24																									
CA																																																			
Processes and Properties Index Methods of estimation of the local effect of explosions. M. A. Sadovskii (Inst. Chem. Phys., Acad. Sci. U.S.S.R., Moscow) <i>Phys. Chem. (U.S.S.R.)</i> 20, 1371-5 (1946) (in Russian).—Testing explosives (amatol, TNT, ammonal) by the impulse given to a pendulum gives results in agreement with testing by the compression of a Pb test piece. Different results are obtained when the charge is exploded on one face of a steel plate, and the impulse given to a steel ball touching the opposite face of the plate is detd. The older methods of measuring brisance do not give a correct idea of the local effect of explosions. J. J. Bickerman																																																			
ASB-514 METALLURGICAL LITERATURE CLASSIFICATION																																																			

SCV/137-59-5-9551

Translation from: Referativnyy zhurnal, Metallurgiya, 1959, Nr 5, p 11 (USSR)

AUTHOR: Sadovskiy, N.A.

TITLE: Intensified Thermal Processes in Graphitization Furnaces

PERIODICAL: Tekhn. ekon. byul. Sovnarkhoz Zaporozhsk. ekon. adm. r-na, 1958, Nr 3, pp 18 - 19

ABSTRACT: The process of coke transformation into graphite is ensured by gradual temperature elevation up to 2,500°C. Active resistance (electric resistance of the charge) decreases gradually by a factor of 20 to 30; the consumed power and heat loss increase sharply; $\cos \varphi$ of the installation drops to 0.5. At the Dneprovskiy Electrode Plant a new installation was mounted, a step-up transformer and a set of condensers, for each two sections of furnaces (operating alternatively at high capacity). Due to higher voltage and introduction of capacitors, the average $\cos \varphi$ was raised from 0.75 to 0.85. At present, higher

Card 1/2

SOV/137-59-5-9551

Intensified Thermal Processes in Graphitization Furnaces

temperature is ensured as well as its accelerated increase. As a result, efficiency was raised by 20 - 27%, high-quality product yield by 3%, saving of electro power was as high as 8%. The use of the new installations over more than six months has proved their reliability and efficiency. ✓

V.T.

Card 2/2

SADOVSKIY, M.A.; BELYAYEV, A.F., prof., doktor fiz.-mat.nauk

Rock-breaking power of explosives. Ugol' 34 no.2:60-62 F '59.

(MIRA 12:4)

1. Institut khimicheskoy fiziki AN SSSR. 2. Chlen- korrespondent
AN SSSR (for Sadovskiy).

(Explosives)

BELYAYEV, A.F. (Moskva); SADOVSKIY, M.A. (Moskva); TAMM, I.I. (Moskva)

Application of the law of similarity to the phenomenon of transmitted
detonation in blasts. PMTF no.1:3-17 My-Je '60. (MIRA 14:8)

1. Institut khimicheskoy fiziki AN SSSR.
(Blasting)

SADOVSKIY, M.A.; ZAYTSEV, L.P.

Structure and development of the earth as a complex
problem. Vest. AN SSSR 32 no.11:53-57 N '62. (MIRA 15:11)

1. Chlen-korrespondent AN SSSR (for Sadovskiy).
(Earth--Internal structure)

KEYLIS-BOROK, Vladimir Isaakovich; NERSESOV, Igor' Leonovich; YAGLOM, Akiva Moiseyevich; SADOVSKIY, M.A., otv. red.; MEDER, V.M., red. izd-va; YEPIFANOVA, L., tekhn. red.

[Methods of evaluating the economic effect of earthquakeproof construction] Metodika otsenki ekonomicheskogo effekta seismo-stoikogo stroitel'stva. Moskva, Izd-vo Akad. nauk SSSR, 1962. 45 p. (MIRA 16:3)

1. Chlen-korrespondent Akademii nauk SSSR (for Sadovskiy).
(Earthquakes and building)

SADOVSKIY, M.A.; TAMM, I.I., kand.tekhn.nauk; BELYAKOV, G.V., inzh.

Determining safe distances for detonation transmission. Bezop.truda v
prom. 6 no.8:5-9 Ag '62. (MIRA 16:4)

1. Institut khimicheskoy fiziki AN SSSR. 2. Chlen-korrespondent AN
SSSR (for Sadovskiy).

(Blasting—Safety measures)

S/030/62/000/011/001/005
D218/D308

AUTHOR: Sadovskiy, M.A., Corresponding Member of the
USSR, and Zaytsev, L.P.

TITLE: The structure and evolution of the earth as
a composite problem

PERIODICAL: Akademiya nauk SSSR. Vestnik. no. 11, 1962,
53 - 57

TEXT: This paper reports the formation of a Scientific Council concerned with the structure and evolution of the earth. It was decided that the coordination of studies of the atmosphere and of the sea will be outside the terms of reference of this Council. On the other hand the Council will include two earlier organizations, namely, the Council for the methods of geophysical prospecting and the Council for seismology. Other sections which come under this new Council are concerned with the earth's crust and mantle and the internal structure of the earth. Eight methodological commissions will deal with geochemistry, high pres-

Card 1/3

The structure and evolution ...

S/030/62/000/011/001/005
D218/D308

tures and geothermy, geochronological methods, experimental studies of internal processes, geomagnetism, composite studies of contemporary movements, composite studies of volcanology, deep seismic sounding and magneto-telluric methods of studying the earth's interior. The first session of the Council took place on February 19/20 and was concerned with the coordination of plans of the large number of institutes for which the Council is responsible. The second session took place towards the end of May and its main purpose was to discuss scientific projects for the next few years, including 1963. In some cases it was decided to hold special coordinating conferences (paleontology, neotectonics, geomorphology and exogenetic processes, the problem of the tsunamis, physicochemical mineralogy and petrology at large depths in the earth's crust). Among the most important meetings which took place in 1962 were the plenary session of the Council on the problem of the forecasting of earthquakes, a seminar on the physical properties of rocks under high pressures, a symposium on the petrochemistry of volcanic rocks and a conference on paleomagnetism. It is noted that the first period of activity of the Council was largely concerned with organi-

Card 2/3

The structure and evolution ...

S/030/62/000/011/001/005
D218/D308

sational problems. It is hoped that more attention will be given
in future to purely scientific matters.

Card 3/3

DOKUCHAYEV, Mikhail Moiseyevich; RODIONOV, Vladimir Nikolayevich;
ROMASHOV, Aleksandr Nikolayevich; SADOVSKIY, M.A., otv.
red.; NIKOLAYEVA, L.K., red.izd-va; MAKOGONOVA, I.A.,
tekhn. red.

[Draw blasting] Vzryv na vybros. Moskva, Izd-vo AN SSSR,
1963. 104 p. (MIRA 17:1)

1. Chlen-korrespondent AN SSSR (for Sadovskiy).

MEDVEDEV, Sergey Vasil'yevich, doktor tekhn. nauk, prof.;
SADOVSKIY, M.A., retsenzent

[Seismic effects after mine blasting] Seismika gornyykh vzry-
vov. Moskva, Izd-vo "Nedra," 1964. 187 p. (MIRA 17:4)

1. Chlen-korrespondent AN SSSR (for Sadovskiy).

1. 48 53-65 ENT(1)/FC/EEC(t)/EAA(h) P-1-1 h/P1-1 G4

ACCESSION NR: AP5009498

S/0030/65/000/003/0128/0150

AUTHORS: Vinogradov, A. P. (Academician); Gerasimov, I. P. (Academician);
Yanshin, A. L. (Academician); Shcherbakov, D. I. (Academician); Pavys, A. V.
(Academician); Sadovskiy, M. A. (Corresponding member AN SSSR); Akhmedov, U. M.
(Academician AN KazSSR); Zaytsev, L. P. (Candidate of physico-mathematical
sciences); Ovchinnikov, I. M.

TITLE: Development of earth sciences in Central Asia and in Kazakhstan (Results
of a field trip of the Department of Earth Sciences)

SOURCE: AN SSSR. Vestnik, no. 3, 1965, 128-150.

TOPIC TAGS: geoactivity, geochemistry, geochronological problem, geochronology,
geodesy, geography, geological survey, geology, geomagnetism, geophysical pros-
pecting, geophysical research, geophysics

ABSTRACT: The Presidium of the Academy of Sciences, SSSR heard the report of
academician A. P. Vinogradov, secretary of the Department of Earth Sciences, at
the session held on January 15. The speaker presented the results of the depart-
ment's trip (Oct. 1-11, 1964), organized by the Academies of Sciences of
Kazakhstan, Kirghiziya, Tadzhikistan, Turkmenistan, and Uzbekistan, and the

Card 1/5

L 48340-65

ACCESSION NR: AP5009498

9

State Geological Committee SSSR. Establishing direct relations with the above academies was the immediate goal of the trip. The symposium on seismology (held in Tashkent) was reported on by M. A. Sadovskiy. The problems in this field were divided into three groups: 1) internal structure of the earth's crust and sedimentary mantle revealed by data obtained by different branches of the geoscience; 2) relation among different earthquake sources; 3) protection of the population and national economy from earthquake damage. It was recommended that a special service dealing with the earthquake forecasts be organized. Achievements of the symposium on hydrology were reported by U. M. Akhmedsafin. B. I. Kudelin (Moscow University) presented a paper on the drainage and renewal of ground water. U. M. Akhmedsafin spoke on the study of artesian basins in Kazakhstan. N. A. Kenegar (Uzbek Institute of Hydrology and Engineering Geology) discussed the principal problems of theoretical hydrology. Zh. S. Sadykov (Academy of Sciences, Kazakh SSR) spoke on the seepage effect of underground brines and its meaning in the interpretation of ore-formation processes. G. A. Maylyanov presented an engineering-geological map of the arid Uzbekistan. V. G. Gafurov discussed irrigation principles and the forecast of hydrogeodynamic processes taking place in the irrigated areas. A. L. Yanshin spoke on utilisation of artesian waters. N. A. Tsytovich recommended the organization of a specialised service for the problems of ground waters. The geographical problems in

Card 2/5

L 42342-65

ACCESSION NR: AP5009498

9

Central Asia were discussed at three interrelated geographic symposia held in Tashkent, Ashkhabad, and at Alma-Ata. The first dealt with the geographical aspects of irrigation in Central Asia; the second with the problems of desert conquest and the building of the Kara Kum canal; the third with the regulation of glacier melting in the mountains of Central Asia. Of special interest was the discussion of the future fate of the Aral Sea. Two opposite opinions were presented: V. L. Shn'ts stated that increased use of river waters for irrigation will cause a complete drying up of the sea. L. V. Dunin-Barkovskiy drew attention to the recent rise of the water level in the sea, explaining it by the peculiarities of water transpiration by different types of vegetation. F. F. Davitay, however, explained the paradox by the water supply at the river sources at the Pamir-Altai and Tyan'-Shan' divide. The results of the three sessions were summarized by Academician I. P. Gerasimov. Academician A. L. Yanshin reported on the main session of the Earth Sciences Department in Alma-Ata. R. A. Borukayev, A. K. Kayupov, G. F. Lyapichev, and L. A. Miroshnichenko reported on the structural and metallogenic mapping of eastern Kazakhstan. G. B. Zhilinskiy discussed problems in theoretical and experimental mineralogy. A. K. Kayupov spoke on the relation of endogene metallogeny to the deep structure of the crust. I. P. Novokhatskiy reported on iron and manganese deposits in Kazakhstan. Zh. S. Sadykov made a quantitative evaluation of artesian waters in the artesian basins,

Card 3/5

L 48340-65

ACCESSION NR: AP5009498

26
oolian sands, and deltaic deposits of this region. M. I. Varentsov described oil prospects in southeastern Kazakhstan. This topic was discussed in greater detail in the paper by P. Ya. Avroy, M. I. Varentsov, V. I. Ditar and A. B. Li. Geophysical research in Kazakhstan was described by A. T. Andreyev, M. D. Morozov, V. V. Prodava, and V. I. Gol'dshmit. The session on the problems of ore genesis was held in Frunze, and its results were reported by Academician D. I. Shcherbakov. F. N. Shakhov and A. I. Tugarinov discussed the application of new precise methods in geology. V. T. Surgay reported on his study of regional geochemistry in the accumulation and localization of mercury ore. M. H. Al'tgauzen criticized the paper of F. I. Vol'fson on the theory of formation and distribution of endogene ore deposits. V. I. Knauf and Ye. I. Zubtsov presented a structural map of northern Kirghiziya. A. B. Ronov spoke on the origin of ores in sedimentary and extrusive rocks of Tyan'-Shan'. A. U. Abdullayev formulated principal conditions for bauxite formation. G. I. Davydov discussed the polymetallic region of Moldotau. A Dzhumaliyev spoke on the structure of ores in Dzhergalan. Academician A. V. Poyve reported the results of the Dushanbe session at which Academician D. S. Korzhinskiy discussed post-magmatic processes. Yu. V. Ryznichenko spoke on seismic activity and the energy of earthquakes. R. B. Baratov and S. A. Zakharov delineated the possible connection between geochemical processes and seismicity. Zakharov spoke on seismic phenomena. V. N. Gaikiy discussed problems

Card 4/5